

WHAT IS CLAIMED IS:

1. A personal electro-kinetic air transporter-conditioner device, comprising:
a portable housing defining an intake vent and an outlet vent;
a self-container ion generator disposed in said housing, said ion generator including:
an electrode assembly comprising a first electrode and a second electrode; and
a high voltage generator that provides a voltage difference between said first electrode and said second electrode; and
a moisture retaining material adjacent said outlet vent;
wherein said ion generator produces an air flow from said intake vent to said outlet vent,
and
wherein said moisture retaining material increases humidity of said air flow.
2. The device of claim 1, wherein:
said first electrode includes a base and an apex, said base being wider than said apex,
and said apex aimed generally toward said second electrode; and
said second electrode includes at least one electrically conductive member through
which there is defined an opening disposed generally in front of said apex.
3. The device of claim 2, wherein:
said moisture retaining material includes a further opening disposed generally in front of
said opening of said second electrode.
4. The device of claim 1, wherein:
said first electrode is located closer to the intake vent than to the outlet vent;
said second electrode is located closer to the outlet vent than to the inlet vent; and
said moisture retaining material is located between said second electrode and said outlet
vent.
5. The device of claim 4, wherein said moisture retaining material has a generally
cylindrical shape through which a further opening is defined.
6. The device of claim 5, wherein a diameter of said further opening defined in said
moisture retaining material is greater than a diameter of said opening of said second electrode.

7. The device of claim 6, wherein said high voltage generator outputs a signal having a duty cycle between about 10% to about 100%.
8. The device of claim 1, wherein said moisture retaining material comprises a polyethylene base.
9. The device of claim 1, wherein said moisture retaining material comprises a foam material.
10. A personal transporter-conditioner, comprising:
 - a portable housing;
 - a self-container ion generator disposed in said housing that produces an air flow from said intake vent to said outlet vent;
 - a container retaining at least one small object, wherein vibrations cause said small object to move within said container and generate noise; and
 - a transducer to detect noise and that is generated when said small object moves within said container;wherein said ion generator turns-on in response to said transducer detecting noise.
11. The device of claim 10, further comprising a moisture retaining material that increases humidity of said air flow.
12. The device of claim 10, wherein after being turned-on in response to said transducer detecting noise, said ion generator turns off after being on for a predetermined amount of time.
13. A personal transporter-conditioner device, comprising:
 - a portable housing;
 - a self-container ion generator disposed in said housing that produces an air flow from said intake vent to said outlet vent;
 - a container retaining at least one small object, wherein vibrations cause said small object to move within said container and generate force; and
 - a transducer to detect force and that is generated when said small object moves within said container;

wherein said ion generator turns-on in response to said transducer detecting force.

14. The device of claim 13, further comprising a moisture retaining material that increases humidity of said air flow.

15. The device of claim 13, wherein after being turned-on in response to said transducer detecting force, said ion generator turns off after being on for a predetermined amount of time.

16. A personal transporter-conditioner device, comprising:

a portable housing;

a self-container ion generator disposed in said housing that produces an air flow from said intake vent to said outlet vent;

a container retaining at least one small object, wherein vibrations cause said small object to move within said container and generate at least one of noise and force; and

a transducer to detect at least one of noise and force and that is generated when said small object moves within said container;

wherein said ion generator turns-on in response to said transducer detecting at least one of noise and force.

17. The device of claim 16, further comprising a moisture retaining material that increases humidity of said air flow.

18. The device of claim 16, wherein after being turned-on in response to said transducer detecting at least one of noise and force, said ion generator turns off after being on for a predetermined amount of time.

19. A personal electro-kinetic air transporter-conditioner device, comprising:

a portable housing defining an intake vent and an outlet vent;

a self-container ion generator disposed in said housing that produces an air flow from said intake vent to said outlet vent;

said housing including a detachable front member that includes said outlet vent; and

a moisture retaining material also included in said detachable front member;

wherein said detachable front member can be removed from said portable housing to allow said moisture retaining material to be easily wetted; and

wherein said moisture retaining material increases the humidity of the air flow exiting said outlet vent.

20. A personal electro-kinetic air transporter-conditioner device, comprising:
a portable housing defining an intake vent and an outlet vent;
a self-container ion generator disposed in said housing, said ion generator including:
an electrode assembly comprising a first electrode and a second electrode; and
a high voltage generator that provides a voltage difference between said first electrode and said second electrode; and
a cord attached to said housing and forming a loop that enables said housing to be suspended from a neck of a user;
wherein said ion generator produces an air flow from said intake vent to said outlet vent toward.
21. The device of claim 20, further comprising a moisture retaining material that increases humidity of said air flow.
22. The device of claim 21, wherein said moisture retaining material can be wet with at least one of water, medication and scent.